

Summary of DAT Conference Call 2/5/2008

Participants: EChappell(DWR), JSpeegle(FWS),
JWhite(DFG), AChu(DWR), LShih(CCWD),
LBartoo(FWS), TBoardman(SLDMWA),
BFujimura(DFG), JAdib-Samii(DFG),
PJohnsen(FWS), RShahcheraghi(DWR),
TWashburn(BR), RSitts(MWD), EGleason(DFG),
JSnow(WWD), DAbellon(DWR), ADVorak(SWC),
BPoytress(FWS), KTotzke(KCWA), NHindman(FWS),
BOppenheim(NMFS)

Conclusions and Recommendation

Due to the State Holiday next Tuesday the next DAT call will be on **Wednesday, 2/13, 9:00 am – 11:00 am**. The phone number is **916/574-2008**.

FWS caught 17 delta smelt in the Chipps Island trawl last week. Twelve smelt did not express any milt or eggs when checked however five were gravid, two of which expressed eggs. The total catch of delta smelt at Chipps has exceeded the annual catch limit of 50. FWS has suspended trawling at Chipps Island until they receive further direction from the IEP group.

DFG started the second SKT survey yesterday, 2/4, in the Cache Slough area and the Sacramento Deep Water Ship Channel. The data is currently under review but DFG did not observe any ripe or spent delta smelt. The survey will continue for the rest of the week.

In compliance with the Wanger Interim Remedial Order the Project Agencies implemented the delta smelt remedy action 1.B.3.b(1) on January 7th. Under this action the Projects are required to achieve an average net upstream flow of Old and Middle Rivers not to exceed 5000cfs on a 7-day running average until there is evidence of spawning.

No operational changes were recommended at this time.

Next DAT Conference Call Wednesday, 2/13/2008, 9:00 am - 11:00 am. 916/574-2008.

Chinook Monitoring

Upper Sacramento River

Red Bluff Diversion Dam – Winter-run Chinook passage was intermittent but increased averaging 1,000 per day. So far passage this season is 1.48 million. Fall Chinook passage increased averaging 283,000 per day. Spring-run passage averaged 360 per day and steelhead passage averaged 54 per day. FWS also caught adclipped Chinook from the recent winter-run hatchery release. FWS raised the cones on February 3rd and the traps were redeployed yesterday, 2/4.

FWS posts biweekly reports on the Bay-Delta and Tributaries Project website, at http://baydelta.ca.gov/Php/Special_Reports/red_bluff.php.

Mill Creek – No update.

Deer Creek – DFG is not sampling at this time.

Butte Creek – For the period of 1/22 to 2/1 DFG caught 3 yearling Chinook and 2 steelhead. The catch of fry/smolt Chinook ranged from 57 to 2009. The catch peaked 1/27 and has dropped to approximately 1,000 per day. DFG is currently operating two rotary screw traps.

GCID – DFG pulled the trap from January 26th to February 6th due to high flows.

Knights Landing – Catch of fry/smolt Chinook increased substantially last week. The catch of older juvenile Chinook ranged from 1.5 to 3 per trap day. The catch of fry/smolt Chinook ranged from 370 to 895 per trap day. DFG also caught 18 adclipped Chinook and 21 adclipped steelhead. Yesterday, 2/4, the catch increased again. DFG caught 3042 fry/smolt, 16 older juvenile and 1 adclipped Chinook. They also caught 1 adclipped steelhead.

Delta Monitoring

In the last week, the catch of fry/smolt Chinook increased in the Sacramento River trawl and in the beach seines. The catch of delta smelt increased at Chipps exceeding the annual catch limit of 50 delta smelt. Trawling at Chipps Island has been suspended until further direction from the IEP group.

Sacramento Kodiak Trawl - 3 sample days, 28 samples. FWS caught 284 fry/smolts, 6 older juvenile and 2 adclipped Chinook.

Lower Sacramento River seine – 1 sample day, 3 samples. FWS caught 22 fry/smolt Chinook and no other species of interest.

Sacramento Area seine – 1 sample days, 8 samples. FWS caught 228 fry/smolts and 1 adclipped Chinook.

North Delta seine - 1 sample day, 5 samples. FWS caught 35 fry/smolts and 4 adclipped Chinook.

Central Delta seine - 1 sample day, 6 samples. FWS caught 37 fry/smolts and 1 adclipped Chinook.

South Delta seine - 1 sample day, 1 sample. No species of interest.

Mossdale Kodiak Trawl - 3 sample days, 30 samples. FWS caught 1 fry/smolt Chinook but no other species of interest.

San Joaquin River seine - 1 sample days, 7 samples. No species of interest.

Chippis Island Midwater Trawl - 7 sample days, 74 samples. FWS caught 5 older juvenile and 39 adclipped Chinook. They also caught 18 adclipped steelhead, 89 splittail, and 17 delta smelt. Twelve of the delta smelt did not express any milt or eggs. Five of the smelt were gravid with 2 of them expressing eggs. To reduce the take of delta smelt IEP set an annual catch limit of 50 delta smelt, starting January 1st, for the Chippis Island trawl. This limit has been exceeded so trawling has been suspended until further direction from the IEP group.

Bay seine - 1 sample day, 4 samples. No species of interest.

Spring-run Surrogates – The first spring-run surrogate release of Coleman Hatchery late-fall Chinook was made in late November. So far the expanded loss at the Delta Fish Facilities is 42.5 or 0.03% of the total release. The second spring-run surrogate release of

approximately 83,600 Coleman late-fall Chinook was released on January 14th in Battle Creek.

Winter-run Chinook Release – FWS released winter-run Chinook from Livingston Stone NFH on the Sacramento River at Caldwell Park last week. They released approximately 72,000 winter-run Chinook this year which is the smallest release size since 2000.

Delta Smelt Monitoring

Spring Kodiak Trawl – DFG started the second SKT survey yesterday, 2/4, in the Cache Slough area and the Sacramento Deep Water Ship Channel. The data is currently under review but DFG did not observe any ripe or spent delta smelt. The survey will continue for the rest of the week.

Judge Wanger's Order – In compliance with the Wanger Interim Remedial Order the Project Agencies implemented the delta smelt remedy action 1.B.3.b(1) starting on January 7th. Under this action the Projects are required to achieve an average net upstream flow of Old and Middle Rivers not to exceed 5000cfs on a 7-day running average until there is evidence of spawning. The operators anticipate this action will last for quite some time as spawning is not expected to start until water temperatures increase to at least 12C.

Salvage Facilities –

Chinook – Both Facilities had an increased in adclipped Chinook loss. CVP also lost 10 winter-run length Chinook for a season loss of 35. SWP lost 9 winter-run length Chinook last week for a season total of 130. The combined loss of (non-clipped) winter-run Chinook is 165 so far this season.

Steelhead – Both Facilities also had an increased in steelhead in the last week. CVP salvaged 68 in-river steelhead and 264 adclipped steelhead. SWP salvaged 72 in-river steelhead and 116 adclipped steelhead. The combined salvage of in-river steelhead is 164 so far this season.

Delta smelt – The salvage of delta smelt was intermittent over the last week. SWP salvaged 6 delta smelt for a season total of 20. CVP salvaged 8 delta smelt for a season total of 32.

Splittail – Splittail salvaged increased at both Facilities. SWP salvaged 116 splittail for a season total of 302. CVP salvaged 368 splittail for a season total of 488.

Longfin smelt – SWP salvaged 18 longfin for a season total of 22.

Sturgeon – None.

The DFG Salvage Database is available on the DFG ftp site (<ftp://ftp.delta.dfg.ca.gov/salvage/>).

The power was shut off at the TFCF for a short period around noon on January 29th for scheduled electrical repairs.

Under the Chinook Salmon Decision Process the older juvenile density triggers at the Delta Fish Facilities change starting on February 15th until April 14th. The triggers are based on the incidental take level, which is 2% of the winter-run juvenile estimated to enter the Delta using the NMFS Juvenile Production Estimate (JPE). For 2007/2008 the incidental take level is 11,798.

The first action trigger occurs when the daily combined older juvenile loss density is ≥ 6 and/or the daily loss ≥ 72 . The associated action is to reduce exports to a combined 6,000cfs for 3 days or until the density < 6 . The second action trigger occurs when the daily combined older juvenile loss density is ≥ 12 and or the daily loss ≥ 96 . The associated action is to reduce exports to a combined 4,000cfs for 3 days or until the density < 12 .

The Chinook Salmon Decision Process is available at http://www.woco.water.ca.gov/calfedops/ops/2008/salmon_decision.pdf.

Operations

SWP -

CCFB – 3,000cfs.

Oroville – 1,350cfs

X2 - ~ 59 km

E/I - 14-day ~20%

San Luis - ~799taf. SWP share of San Luis capacity is 1,062 taf.

CVP -

Jones PP – 3,300cfs.

DCC - closed.

Trinity - 300cfs

Clear Creek - 200cfs

Keswick – 3,250cfs.

Nimbus – 1,000cfs

Goodwin – 225cfs

San Luis - ~802taf. CVP share of San Luis capacity is 966 taf.

Flows

Sacramento River at Freeport ~ 36,920cfs

Fremont Weir ~ 0

San Joaquin River at Vernalis ~ 2,768cfs

Delta Outflow ~ 40,260cfs. The 7-day average is 39,067cfs.

Old & Middle River flow ~ for 2/4, the daily average is -2,150cfs and the 7-day average is -3,845cfs.

Temperature – (daily average – 2/4)

Antioch ~ 8.3C

Rio Vista ~ 7.4C

Mossdale ~ 9.3C

3-Station Average ~ 8.3C

Delta Water Quality

Since December 28, the Delta is in excess conditions due to OMR fish action objective. Salinity levels continued to improve in the South Delta.

February Water Quality Standards –

Collinsville X2 standard – The standard must be met for the full 29 days by a maximum daily EC of 2.64, a maximum 14-day running average EC of 2.64 or 3-day outflow of 7,100cfs.

Chippis Island X2 standard – The standard must be met for the full 29 days by a maximum daily EC of 2.64, a maximum 14-day running average EC of 2.64 or 3-day outflow of 11,400cfs.

Delta Cross Channel – The gates must be closed from February 1st to May 20th for the protection of winter-run Chinook.

E/I Ratio – 35%

Contra Costa Canal – CI \leq 250 mg/L. In addition, CI \leq 150 mg/L for 165 days per year.

South Delta – 30-day average EC \leq 1.0.

Suisun Marsh - \leq 8.0mS/cm.

Final copies of the DAT notes are now available on the CALFED Operations website at <http://wwwoco.water.ca.gov/calfedops/datsummaries.html>.

Erin Chappell

Environmental Scientist

DWR-DES

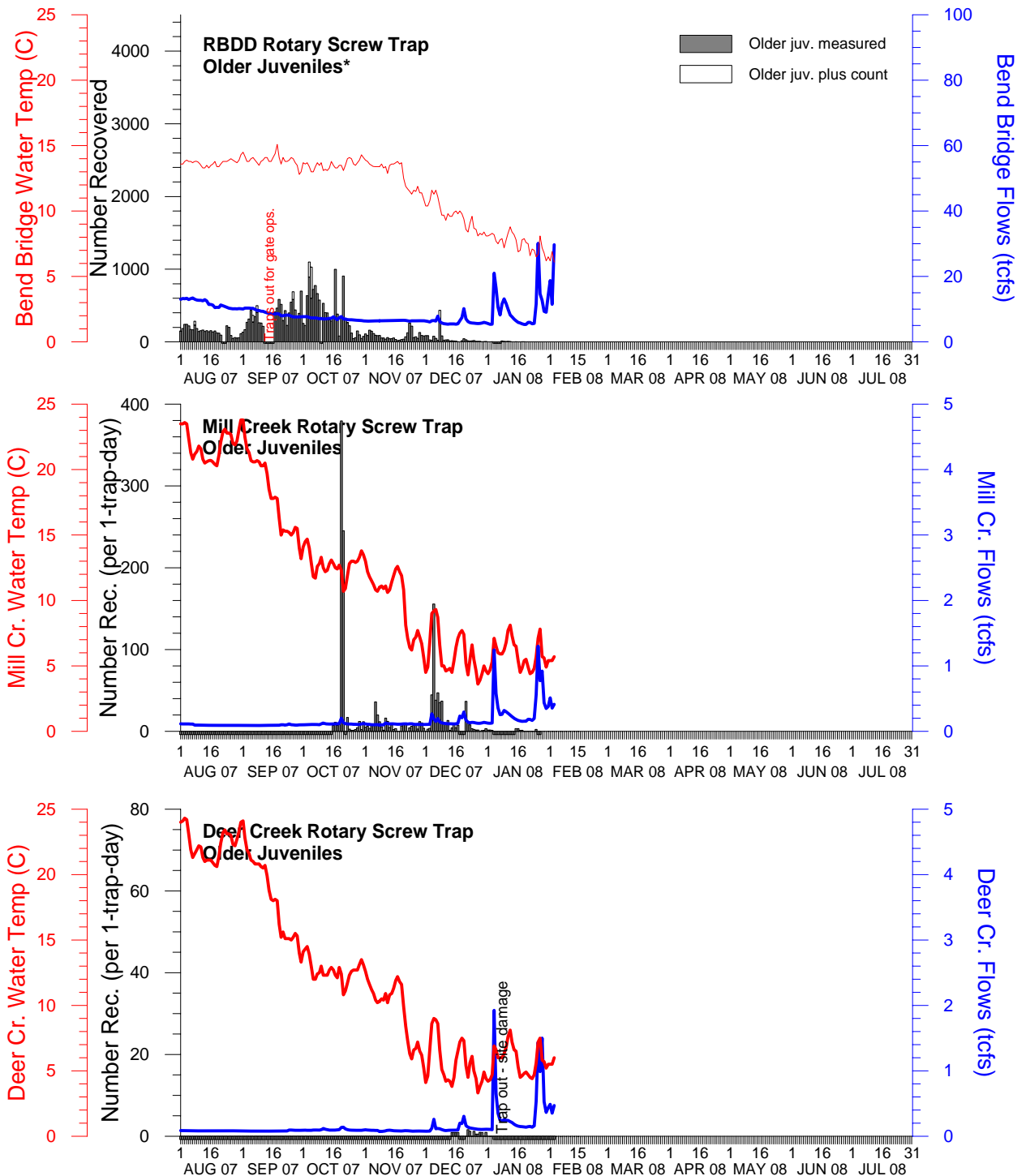
901 P Street, P.O. Box 942836

Sacramento, CA 95814-6424

Phone (916) 651-0169

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NUMBER OF JUVENILE CHINOOK MEASURED IN THE UPPER SACRAMENTO RIVER & TRIBUTARIES

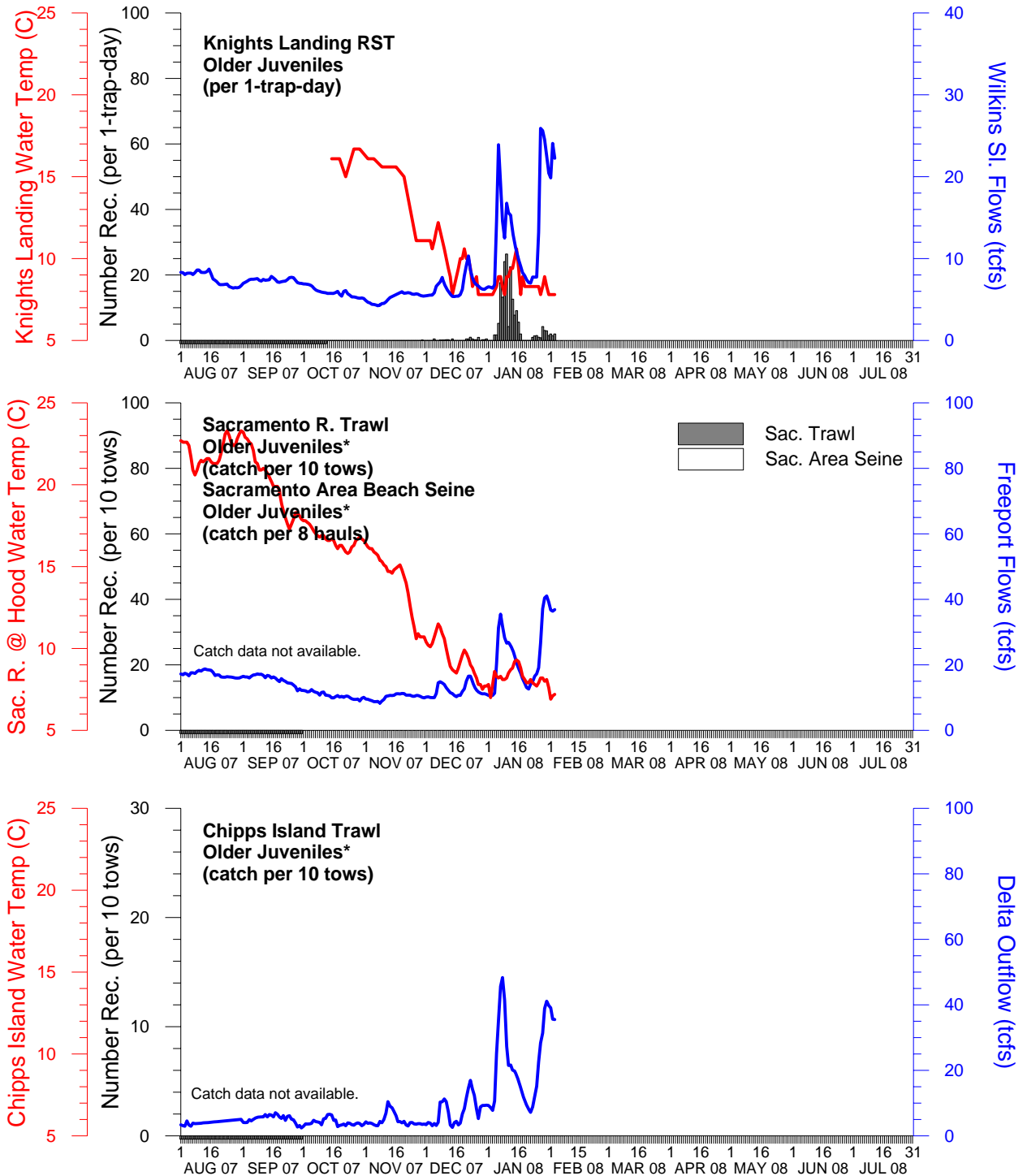


DWR-DES 05 FEB 2008

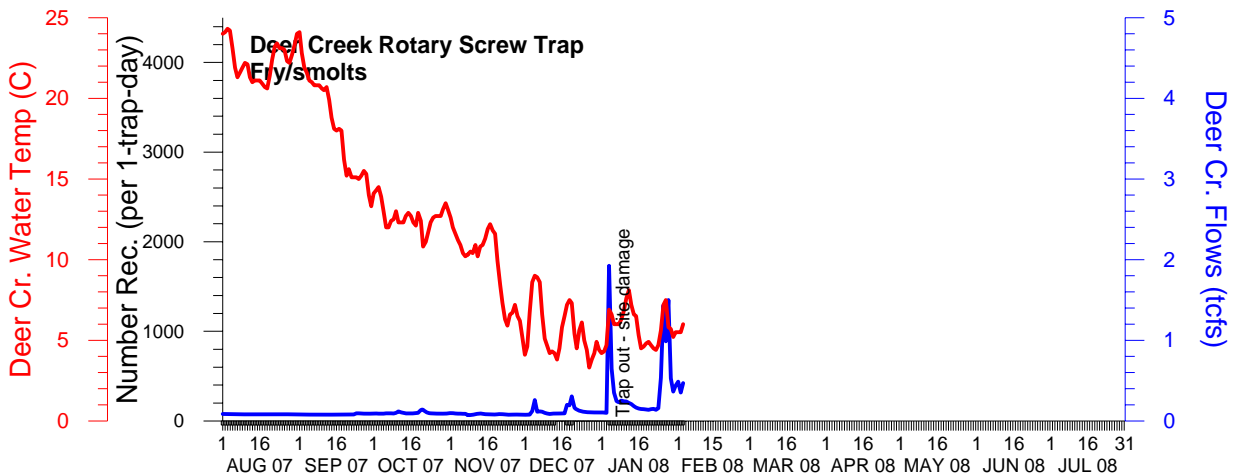
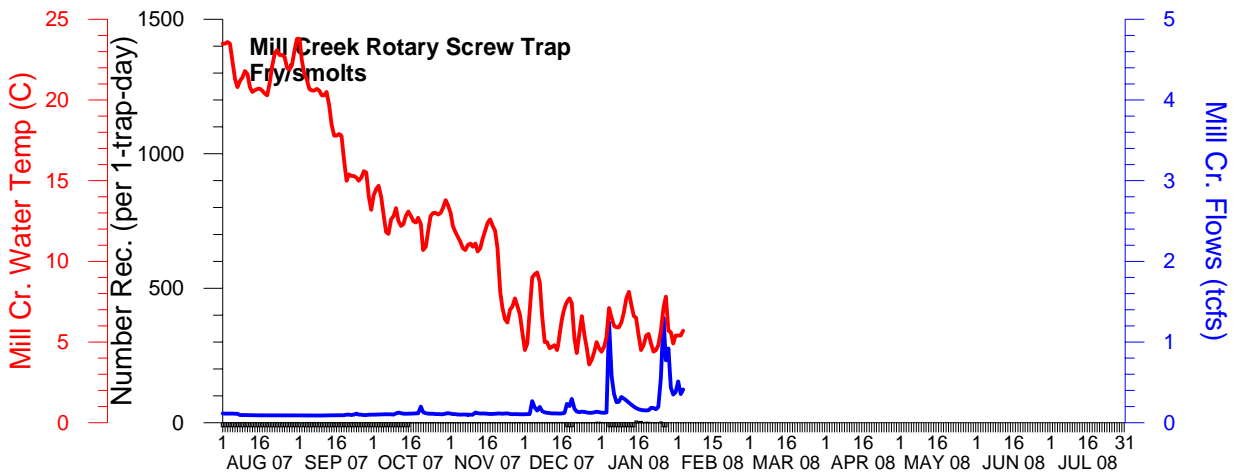
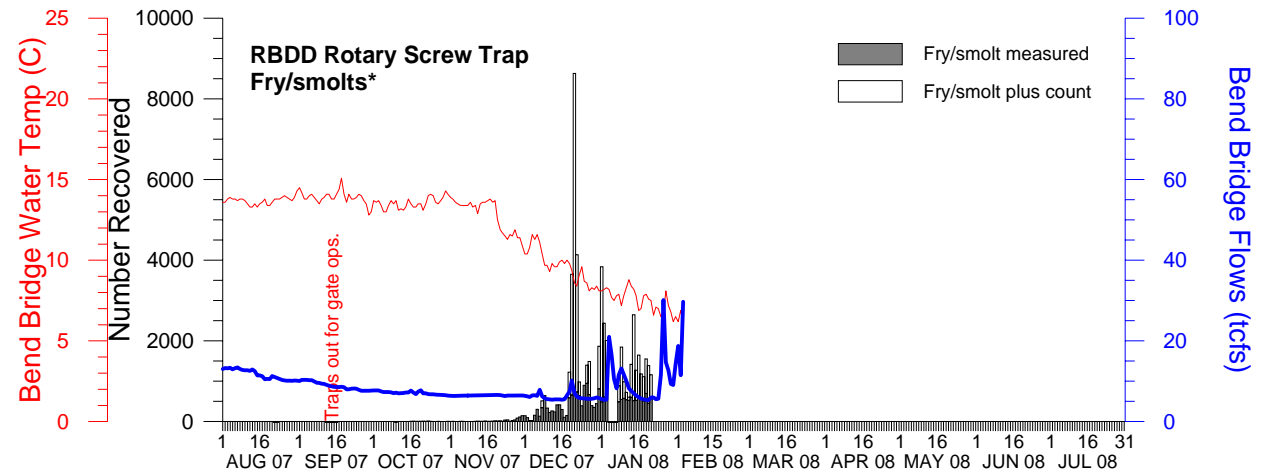
Preliminary, subject to revision

*Older juveniles defined as all Chinook above the minimum winter run length line (Frank Fisher model)

NUMBER OF JUVENILE CHINOOK MEASURED IN THE SACRAMENTO RIVER & DELTA



NUMBER OF FRY/SMOLT CHINOOK MEASURED IN THE UPPER SACRAMENTO RIVER & TRIBUTARIES

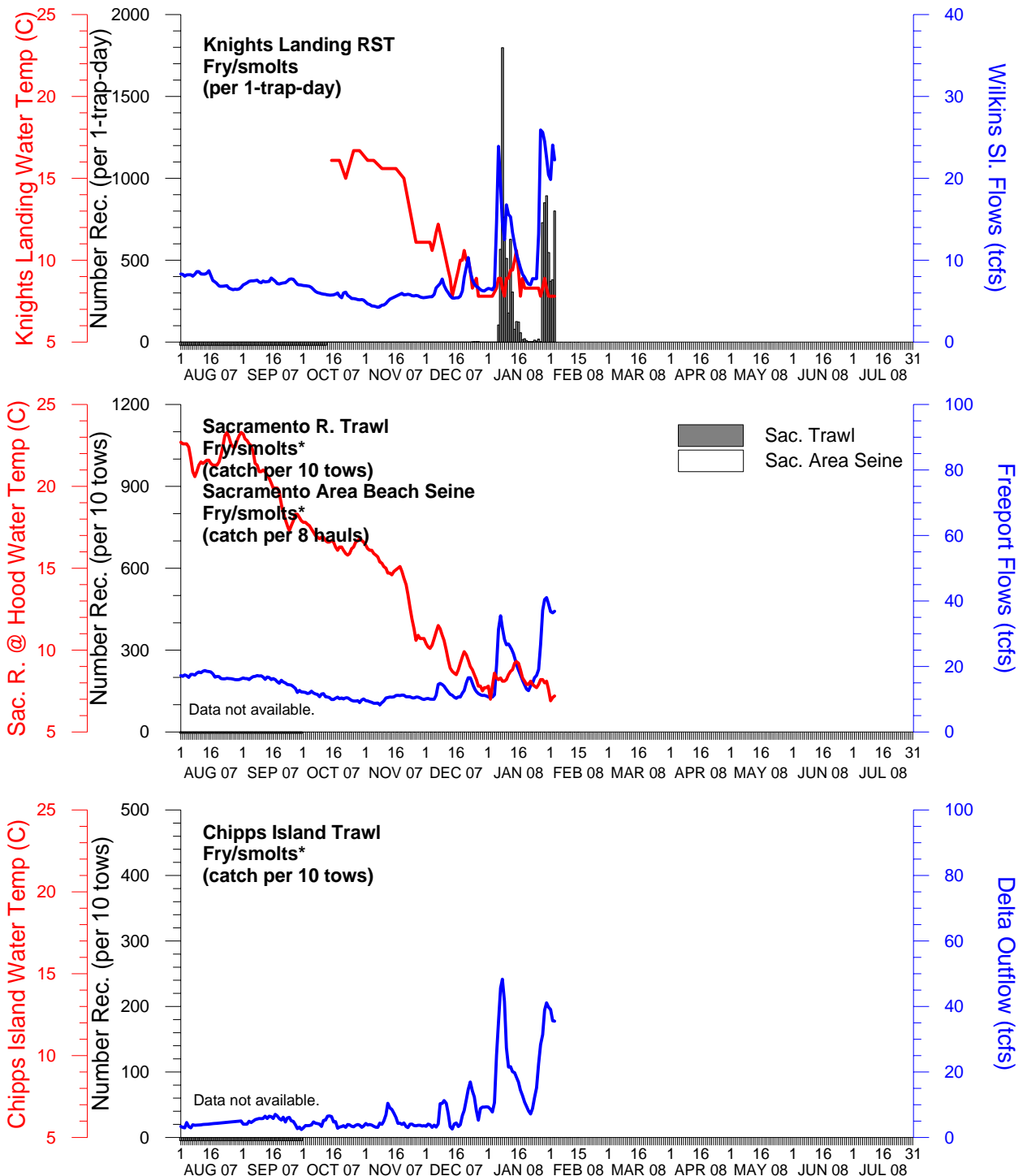


DWR-DES 05 FEB 2008

Preliminary, subject to revision

*Fry/smolt defined as all Chinook below the minimum winter run length line (Frank Fisher model)

NUMBER OF FRY/SMOLT CHINOOK MEASURED IN THE SACRAMENTO RIVER & DELTA



DWR-DES 05 FEB 2008
 Preliminary, subject to revision
 *Plus counts not included

Data Acquisition:

All the data is preliminary and subject to revision.

The catch data for RBDD, Sacramento River Trawl, Sacramento Area Beach Seine, and Chipps Island were obtained from the BDAT website: <http://baydelta.ca.gov> .

The catch data for Mill and Deer creeks were obtained directly from DFG, Red Bluff Juvenile Salmon Monitoring Project.

The catch data for Knights Landing were obtained directly from DFG, Native Anadromous Fish & Watershed Branch.

The hydrology data were obtained from either the CDEC or BDAT websites: <http://cdec.water.ca.gov> or <http://baydelta.ca.gov>.

Project Offices:

Mill Creek - DFG, Red Bluff Juvenile Salmon Monitoring Project

Deer Creek - DFG, Red Bluff Juvenile Salmon Monitoring Project

RBDD - USFWS, Red Bluff Fish & Wildlife Office

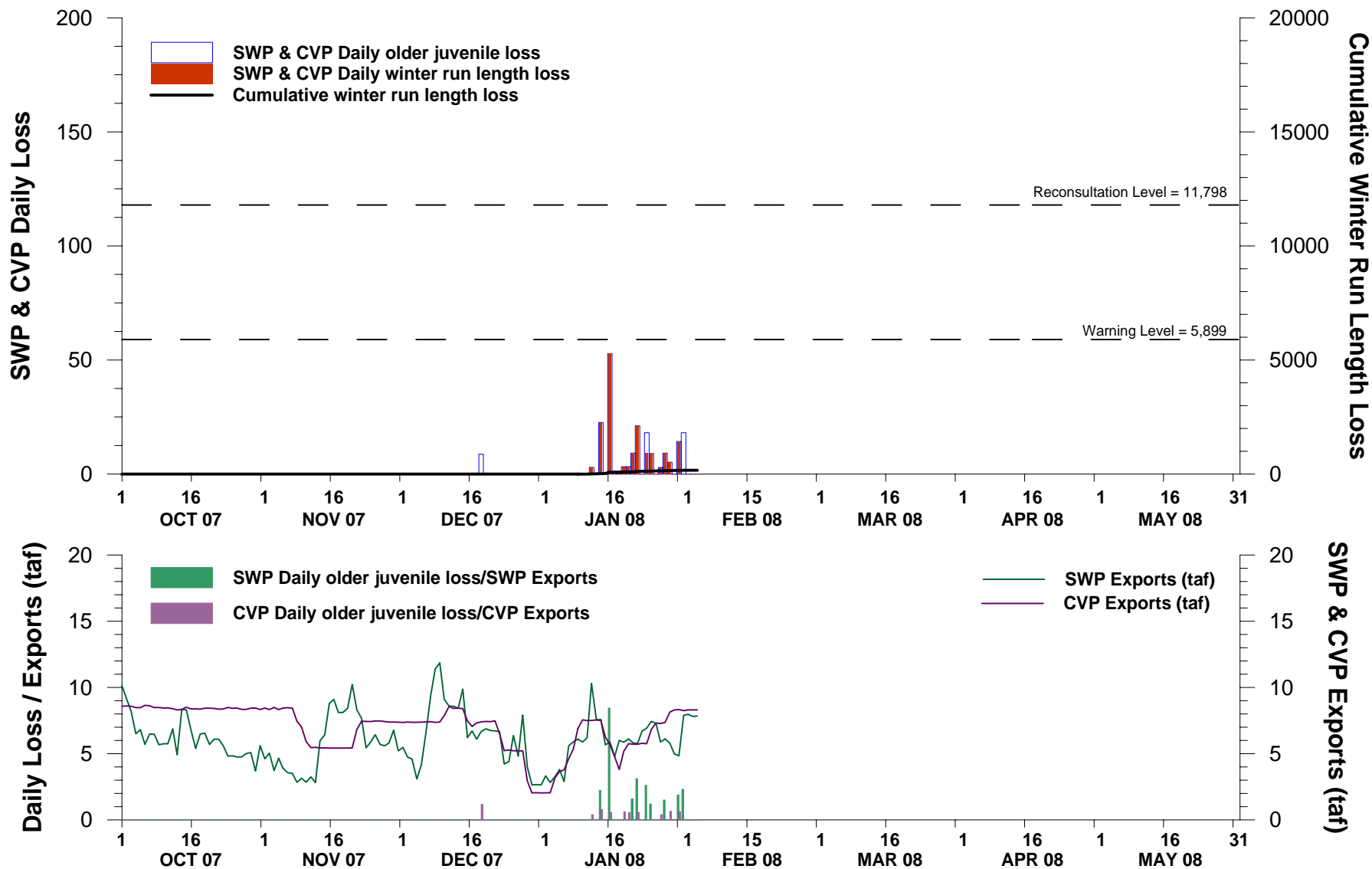
Knights Landing - DFG, Native Anadromous Fish & Watershed Branch

Sacramento Trawl - USFWS, Stockton Office Juvenile Salmon Monitoring

Sacramento Area Beach Seine - USFWS, Stockton Office Juvenile Salmon Monitoring Project

Chipps Island Trawl - USFWS, Stockton Office Juvenile Salmon Monitoring Project

WINTER RUN & OLDER JUVENILE CHINOOK LOSS AT THE DELTA FISH FACILITIES 01 OCT 2007 THROUGH 03 FEB 2008



**Coleman Hatchery Late-Fall and Livingston Stone Winter Chinook Loss at the Delta Fish Facilities,
2007/2008**

Release Date	Cwtrace	Release Site	Loss	Release Number	% Loss	Yellow Light	Red Light	Date of First Loss	Date of Last Loss
11/26/07	LF	Battle Creek	42.47	161,400	0.03	0.5%	1.0%	12/16/07	1/16/08
12/6/07	LF	Georgiana Sl.	83.4	72,400	0.12	n/a	n/a	12/14/07	1/17/08
12/7/07	LF	Ryde	14.7	37,900	0.04	n/a	n/a	12/18/07	1/12/08
1/2-4/08	LF	Battle Creek	991.9	503,200	0.20	n/a	n/a	1/12/08	1/31/08
1/14/08	LF	Battle Creek	27.08	83,569	0.03	0.5%	1.0%	1/30/08	1/31/08
1/17/08	LF	Georgiana Sl.	227.35	69,653	0.33	n/a	n/a	1/25/08	1/30/08
1/18/08	LF	Ryde	0	37,087	0.00	n/a	n/a	*	*
		Lost tag/No tag	66.27						
		Unknown	2217.1						

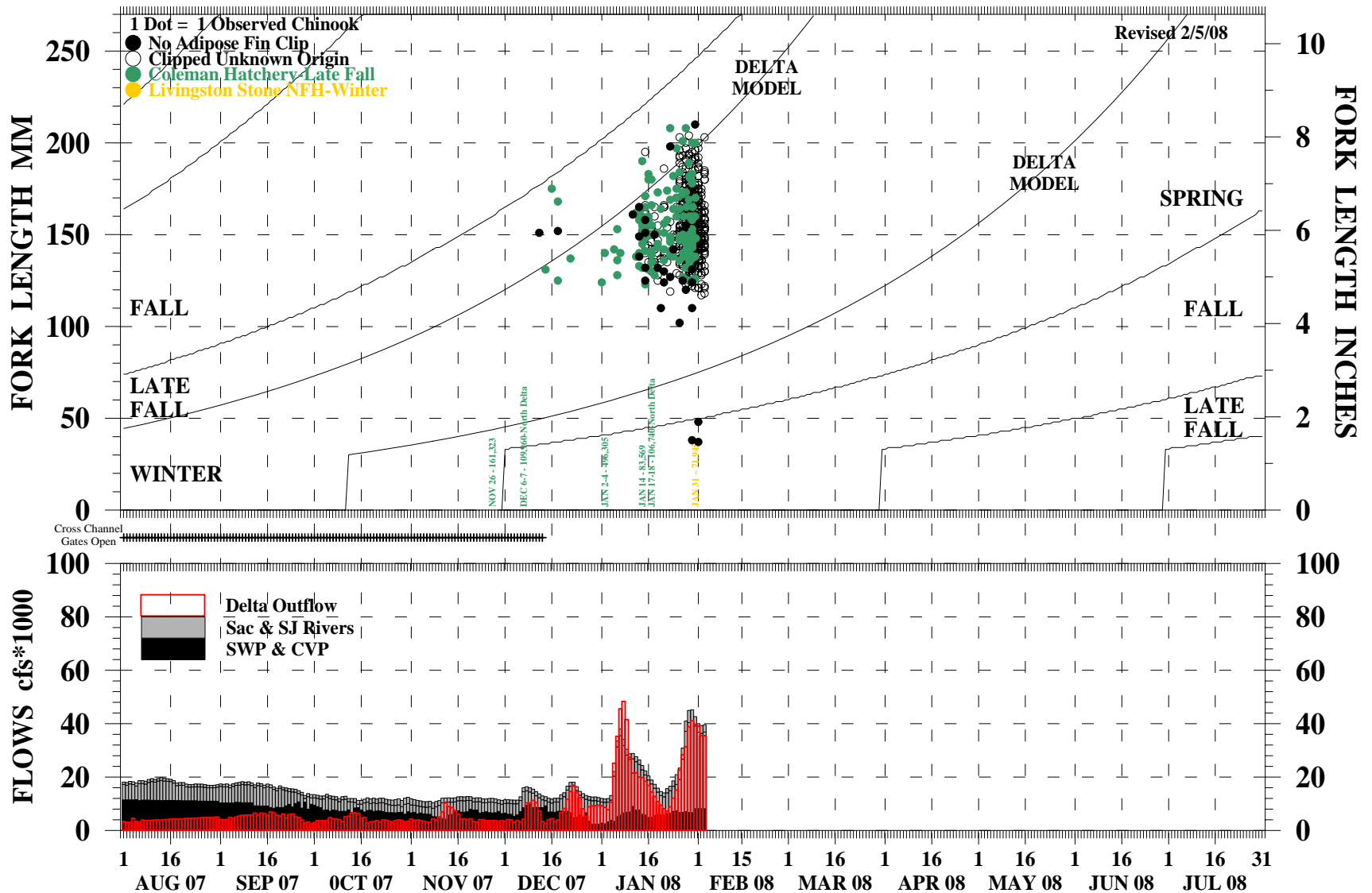
For Chinook lost 10/1/2007 through 2/3/2008
SWP Tags read 10/1/2007 through 1/31/2008
CVP Tags read 10/1/2007 through 1/25/2008

Revised 2/6/2008

Unknown Loss by Date:

1/14/2008	3.19
1/15/2008	25.52
1/16/2008	6.38
1/17/2008	10.56
1/18/2008	16.28
1/19/2008	15.95
1/20/2008	6.38
1/21/2008	15.95
1/22/2008	6.38
1/23/2008	6.38
1/25/2008	28.80
1/26/2008	127.38
1/27/2008	83.87
1/28/2008	134.50
1/29/2008	206.19
1/30/2008	195.16
1/31/2008	269.68
2/1/2008	632.10
2/2/2008	191.11
2/3/2008	235.38
Total	2217.14

OBSERVED CHINOOK SALVAGE AT THE SWP & CVP DELTA FISH FACILITIES 8/1/07 THROUGH 2/3/08



Salmon Salvage and Loss

From 01-Jan-08 to 03-Feb-08

Fall run at CVP facility

SampleDate	Adipose Clipped		Not Clipped	
	Salvage	Loss	Salvage	Loss
01/30/2008	0	0	4	2
02/01/2008	0	0	8	5
Sum of Fall run at CVP	0	0	12	7

LateFall run at CVP facility

SampleDate	Adipose Clipped		Not Clipped	
	Salvage	Loss	Salvage	Loss
01/14/2008	4	3	0	0
01/15/2008	4	3	0	0
01/17/2008	4	4	0	0
01/21/2008	4	3	0	0
01/25/2008	4	3	0	0
01/26/2008	16	12	0	0
01/27/2008	4	3	0	0
01/28/2008	8	5	0	0
01/29/2008	4	3	0	0
02/03/2008	4	3	0	0
Sum of LateFall run at CVP	56	41	0	0

Winter run at CVP facility

SampleDate	Adipose Clipped		Not Clipped	
	Salvage	Loss	Salvage	Loss
01/01/2008	4	4	0	0
01/02/2008	4	4	0	0
01/05/2008	4	4	0	0
01/06/2008	12	10	0	0
01/07/2008	4	3	0	0
01/11/2008	0	0	4	3
01/12/2008	8	6	0	0
01/13/2008	24	17	8	6
01/14/2008	24	19	0	0
01/15/2008	40	32	4	3
01/16/2008	12	10	0	0
01/17/2008	20	18	0	0
01/18/2008	20	16	4	3
01/19/2008	24	19	4	3
01/20/2008	8	6	0	0
01/21/2008	16	13	4	3
01/22/2008	8	6	0	0
01/23/2008	8	6	0	0
01/25/2008	40	29	0	0
01/26/2008	112	81	4	3
01/27/2008	100	72	0	0
01/28/2008	168	111	8	5
01/29/2008	251	164	0	0
01/30/2008	244	159	8	5
01/31/2008	108	70	0	0
02/01/2008	128	83	0	0
02/02/2008	56	36	0	0
02/03/2008	64	42	0	0

Sum of Winter run at CVP	1511.433332	1039	48	35
Sum of all races at CVP	1567.433332	1080	60	42
=====				
LateFall run at SWP facility	Adipose Clipped		Not Clipped	
	~~~~~		~~~~~	
SampleDate	Salvage	Loss	Salvage	Loss
-----				
01/16/2008	6	27	0	0
01/23/2008	2	9	2	9
01/27/2008	4	18	0	0
01/28/2008	2	9	0	0
01/30/2008	2	9	0	0
01/31/2008	4	18	4	18
02/01/2008	4	18	0	0
Sum of LateFall run at SWP	24	109	6	27
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<b>Winter run at SWP facility</b>	<b>Adipose Clipped</b>		<b>Not Clipped</b>	
	~~~~~		~~~~~	
SampleDate	Salvage	Loss	Salvage	Loss

01/13/2008	4	17	4	17
01/14/2008	3	14	0	0
01/15/2008	21	95	11	50
01/16/2008	21	95	0	0
01/17/2008	25	114	0	0
01/18/2008	3	14	0	0
01/19/2008	6	27	0	0
01/20/2008	2	9	2	9
01/21/2008	16	72	4	18
01/22/2008	4	18	0	0
01/23/2008	16	72	2	9
01/24/2008	8	36	2	9
01/25/2008	10	46	0	0
01/26/2008	18	80	0	0
01/27/2008	22	101	2	9
01/28/2008	28	128	0	0
01/29/2008	38	171	0	0
01/30/2008	42	191	2	9
01/31/2008	60	272	0	0
02/01/2008	116	531	0	0
02/02/2008	34	155	0	0
02/03/2008	42	191	0	0
Sum of Winter run at SWP	539	2445	29	130

Sum of all races at SWP	563	2554	35	157
Total for 1/1/2008 to 2/3/2008	2130.433332	3634	95	199

Seasonal Salmon Salvage and Loss

Since 01-Oct-07

=====					
Fall run at CVP facility		Adipose Clipped		Not Clipped	
Month	Salvage	Loss	Salvage	Loss	
Feb-08	0	0	8	5	
Jan-08	0	0	4	2	
Sum of Fall at CVP	0	0	12	7	

LateFall run at CVP facility		Adipose Clipped		Not Clipped	
Month	Salvage	Loss	Salvage	Loss	
Feb-08	4	3	0	0	
Jan-08	52	38	0	0	
Dec-07	24	17	12	9	
Sum of LateFall at CVP	80	58	12	9	

Winter run at CVP facility		Adipose Clipped		Not Clipped	
Month	Salvage	Loss	Salvage	Loss	
Feb-08	248	161	0	0	
Jan-08	1263	878	48	35	
Dec-07	28	19	0	0	
Sum of Winter at CVP	1539	1059	48	35	

Sum of all races at CVP	1619	1117	72	50	
=====					
LateFall run at SWP facility		Adipose Clipped		Not Clipped	
Month	Salvage	Loss	Salvage	Loss	
Feb-08	4	18	0	0	
Jan-08	20	90	6	27	
Sum of LateFall at SWP	24	109	6	27	

Winter run at SWP facility		Adipose Clipped		Not Clipped	
Month	Salvage	Loss	Salvage	Loss	
Feb-08	192	876	0	0	
Jan-08	347	1569	29	130	
Sum of Winter at SWP	539	2445	29	130	

Sum of all races at SWP	563	2554	35	157	
Total since 10/1/2007	2182.433332	3671	107	207	

Steelhead Salvage

From 01-Jan-08 to 03-Feb-08

CVP facility	SampleDate	Adipose Clipped	Not Clipped
	01/18/2008	0	4
	01/20/2008	4	8
	01/21/2008	8	0
	01/23/2008	0	4
	01/24/2008	4	0
	01/25/2008	20	0
	01/26/2008	12	0
	01/27/2008	32	4
	01/28/2008	68	8
	01/29/2008	16	12
	01/30/2008	60	8
	01/31/2008	40	4
	02/01/2008	28	12
	02/02/2008	24	8
	02/03/2008	28	16
Sum of Steelhead at CVP		344	88
SWP facility	SampleDate	Adipose Clipped	Not Clipped
	01/25/2008	4	0
	01/26/2008	4	0
	01/27/2008	10	4
	01/28/2008	6	0
	01/29/2008	6	2
	01/30/2008	2	2
	01/31/2008	12	8
	02/01/2008	54	16
	02/02/2008	14	6
	02/03/2008	22	38
Sum of Steelhead at SWP		134	76
Total for 1/1/2008 to 2/3/2008		478	164

Seasonal Steelhead Salvage

Since 01-Oct-07

=====		
CVP facility	Adipose Clipped	Not Clipped
	~~~~~	~~~~~
Nov-07	0	0
Jan-08	264	52
Feb-08	80	36
Sum of all steelhead at CVP	344	88
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SWP facility	Adipose Clipped	Not Clipped
	~~~~~	~~~~~
Jan-08	44	16
Feb-08	90	60
Sum of all steelhead at SWP	134	76

Total since 10/1/2007	478	164

Special Species Salvage

From 01-Oct-07 to 03-Feb-08

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Delta Smelt	SWP				CVP
	~~~~~		~~~~~		~~~~~
	SampleDate	Salvage	Acre Feet	Salvage	Acre Feet
	01/11/2008	0		4	7505
	01/17/2008	6	5993	0	
	01/23/2008	2	6917	0	
	01/25/2008	6	7283	8	7310
	01/26/2008	0		8	7278
	01/27/2008	0		4	7352
	01/28/2008	0		4	8124
	01/30/2008	0		4	8329
	02/02/2008	4	7810	0	
	02/03/2008	2	7957	0	
Total for Delta Smelt		20	35960	32	45898
=====					
Longfin Smelt	SWP				CVP
	~~~~~		~~~~~		~~~~~
	SampleDate	Salvage	Acre Feet	Salvage	Acre Feet
	12/18/2007	0		12	7392
	01/23/2008	2	6917	0	
	01/24/2008	0		4	6826
	01/26/2008	2	5877	0	
	01/28/2008	10	5786	0	
	01/29/2008	8	4974	0	
Total for Longfin Smelt		22	23554	16	14218
=====					
Splittail	SWP				CVP
	~~~~~		~~~~~		~~~~~
	SampleDate	Salvage	Acre Feet	Salvage	Acre Feet
	11/23/2007	9	5437	0	
	11/25/2007	6	6424	0	
	11/26/2007	3	5699	0	
	11/28/2007	3	5791	0	
	01/02/2008	4	2819	0	
	01/06/2008	12	5600	0	
	01/07/2008	0		4	5355
	01/08/2008	3	6094	0	
	01/09/2008	24	5873	16	7553
	01/10/2008	0		4	7495
	01/11/2008	0		16	7505
	01/12/2008	0		12	7543
	01/13/2008	4	7575	4	7501
	01/14/2008	2	5664	4	6253
	01/15/2008	1	5879	0	
	01/17/2008	36	5993	0	
	01/18/2008	3	5859	0	
	01/24/2008	6	7439	4	6826
	01/25/2008	34	7283	16	7310
	01/26/2008	20	5877	12	7278
	01/27/2008	16	6121	28	7352
	01/28/2008	6	5786	100	8124
	01/29/2008	2	4974	96	8299

	01/30/2008	0		28	8329
	01/31/2008	2	7891	16	8238
	02/01/2008	6	7843	8	8296
	02/02/2008	20	7810	16	8295
	02/03/2008	80	7957	104	8289
Total for Splittail		302	143688	488	135841